Amendments to the Claims

1. (Original) A turbine engine comprising:
a central shaft; and
a rotor stack carried by the central shaft; and
one or more retainer segments each having a first surface engaging the rotor stack and a second surface engaging the central shaft to transmit a precompression force from the central shaft to the rotor stack.

2. (Original) The turbine engine of claim 1 wherein there are at least two such retainer segments.

3. (Previously presented) The turbine engine of claim 2 further comprising:
a full annulus collar securing the retainer segments in place against radial displacement.

4. (Original) The turbine engine of claim 3 wherein:
the collar is longitudinally restrained by a bearing support element.

5. (Original) The turbine engine of claim 1 wherein:
said retainer segments are proximate a forward end of the rotor stack; and
there are exactly two said retainer segments proximate said forward end.

6. (Original) The turbine engine of claim 1 wherein:
the shaft has a rebate having a forward surface engaging said second surfaces.

7. (Original) The turbine engine of claim 6 wherein:
the rebate is a full annulus.

8. (Original) The turbine engine of claim 6 wherein:
the rebate has an aft surface and a base surface between the forward surface and the aft

surface; and

the base surface is essentially rearwardly divergent at a half angle in excess of 5°.

9. (Original) The turbine engine of claim 6 wherein:
the forward surface is essentially within 5° of radial.

10. (Original) The turbine engine of claim 6 wherein:
said precompression force is at least 50kN.

11. (Original) The turbine engine of claim 6 wherein:
the rotor is a high speed compressor rotor.

12. (Original) The turbine engine of claim 6 wherein:
the rotor lacks off-center tie rods.

13-18. (Canceled)

19. (Previously presented) The turbine engine of claim 1 wherein:
the rotor stack comprises a plurality of disks having respective central apertures; and
the central shaft passes freely through said central apertures.

20. (Previously presented) The turbine engine of claim 19 wherein:
the central shaft passes through said apertures with clearance.

21. (Previously presented) The turbine engine of claim 1 wherein:
the rotor stack comprises a plurality of disks having respective bores encircling respective central apertures; and
the rotor stack is clear of the central shaft of said bores.